

#6

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S101014  
Source: PCT  
Date Processed by STIC: 5-5-05

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PCT

## RAW SEQUENCE LISTING

DATE: 05/05/2005

PATENT APPLICATION: US/10/510,014

TIME: 10:28:18

Input Set : E:\ARS-103-replace-seq-list.txt

Output Set: N:\CRF4\05052005\J510014.raw

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5 <110> APPLICANT: PROUDFOOT, AMANDA
6     KOSCO-VILBOIS, MARIE
7     WELLS, TIMOTHY
9 <120> TITLE OF INVENTION: CHEMOKINES MUTANTS HAVING IMPROVED ORAL BIOAVAILABILITY
11 <130> FILE REFERENCE: ARS-103
13 <140> CURRENT APPLICATION NUMBER: US 10/510,014
15 <141> CURRENT FILING DATE: 2004-09-30
17 <150> PRIOR APPLICATION NUMBER: PCT/EP03/50084
19 <151> PRIOR FILING DATE: 2003-03-31
21 <150> PRIOR APPLICATION NUMBER: EP 02100339.7
23 <151> PRIOR FILING DATE: 2002-04-04
27 <160> NUMBER OF SEQ ID NOS: 15
29 <170> SOFTWARE: PatentIn version 3.1
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32 <211> LENGTH: 91
33 <212> TYPE: PRT
34 <213> ORGANISM: Escherichia coli
36 <220> FEATURE:
37 <221> NAME/KEY: mat_peptide
38 <222> LOCATION: (1)..(68)
39 <223> OTHER INFORMATION: carboxy terminal amino acid
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47 Leu Cys Ala Pro Ala Ser Ala Ser Pro Tyr Ser Ser Asp Thr Thr Pro
48     -5                      -1 1                      5
51 Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys
52 10                      15                      20                      25
55 Glu Tyr Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val Phe
56     30                      35                      40
59 Val Thr Ala Ala Asn Ala Gln Val Cys Ala Asn Pro Glu Lys Lys Trp
60     45                      50                      55
63 Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser
64     60                      65
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68 <211> LENGTH: 66
69 <212> TYPE: PRT
70 <213> ORGANISM: Escherichia coli
72 <400> SEQUENCE: 2
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75 1                      5                      10                      15
78 Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly Lys Cys
79     20                      25                      30

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82 Ser Asn Pro Ala Val Val Phe Val Thr Ala Ala Asn Ala Gln Val Cys  
 83           35                           40                           45  
 86 Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser Leu Glu  
 87       50                           55                           60

90 Met Ser

91 65

94 &lt;210&gt; SEQ ID NO: 3

95 &lt;211&gt; LENGTH: 92

96 &lt;212&gt; TYPE: PRT

97 &lt;213&gt; ORGANISM: Escherichia coli

99 &lt;220&gt; FEATURE:

100 &lt;221&gt; NAME/KEY: mat\_peptide

101 &lt;222&gt; LOCATION: (1)..(69)

102 &lt;223&gt; OTHER INFORMATION: carboxy terminal amino acid

104 &lt;400&gt; SEQUENCE: 3

106 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala  
 107                   -20                           -15                           -10

110 Leu Cys Ala Pro Ala Ser Ala Met Ser Pro Tyr Ser Ser Asp Thr Thr  
 111           -5                           -1 1                           5

114 Pro Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile  
 115 10                           15                           20                           25

118 Lys Glu Tyr Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val  
 119                           30                           35                           40

122 Phe Val Thr Ala Ala Asn Ala Gln Val Cys Ala Asn Pro Glu Lys Lys  
 123           45                           50                           55

126 Trp Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser  
 127       60                           65

130 &lt;210&gt; SEQ ID NO: 4

131 &lt;211&gt; LENGTH: 91

132 &lt;212&gt; TYPE: PRT

133 &lt;213&gt; ORGANISM: Escherichia Coli

135 &lt;220&gt; FEATURE:

136 &lt;221&gt; NAME/KEY: mat\_peptide

137 &lt;222&gt; LOCATION: (1)..(68)

138 &lt;223&gt; OTHER INFORMATION: carboxy terminal amino acid

140 &lt;400&gt; SEQUENCE: 4

142 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala  
 143                   -20                           -15                           -10

146 Leu Cys Ala Pro Ala Ser Ala Ser Pro Tyr Ser Ser Asp Thr Thr Pro  
 147           -5                           -1 1                           5

150 Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys  
 151 10                           15                           20                           25

154 Glu Tyr Phe Tyr Thr Ser Asn Lys Cys Ser Asn Pro Ala Val Val Phe  
 155                           30                           35                           40

158 Val Thr Ala Ala Asn Ala Gln Val Cys Ala Asn Pro Glu Lys Lys Trp  
 159           45                           50                           55

162 Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser  
 163       60                           65

166 &lt;210&gt; SEQ ID NO: 5

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174 1 5 10 15
177 Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
178 20 25 30
181 Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Glu Asn Arg Gln
182 35 40 45
185 Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
186 50 55 60
189 Leu Glu Met Ser
190 65
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199 <213> ORGANISM: Escherichia coli
201 <220> FEATURE:
202 <221> NAME/KEY: mat_peptide
203 <222> LOCATION: (1)..(69)
204 <223> OTHER INFORMATION: carboxy terminal amino acid
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212 Leu Cys Ala Pro Ala Ser Ala Met Ser Pro Tyr Ser Ser Asp Thr Thr
213 -5 -1 1 5
216 Pro Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile
217 10 15 20 25
220 Lys Glu Tyr Phe Tyr Thr Ser Asn Lys Cys Ser Asn Pro Ala Val Val
221 30 35 40
224 Phe Val Thr Arg Lys Asn Arg Gln Val Cys Ala Asn Pro Glu Lys Lys
225 45 50 55
228 Trp Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser
229 60 65
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233 <211> LENGTH: 89
234 <212> TYPE: PRT
235 <213> ORGANISM: Escherichia coli
237 <220> FEATURE:
238 <221> NAME/KEY: mat_peptide
239 <222> LOCATION: (1)..(66)
240 <223> OTHER INFORMATION: carboxy terminal amino acid
242 <400> SEQUENCE: 7
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248 Leu Cys Ala Pro Ala Ser Ala Tyr Ser Ser Asp Thr Thr Pro Cys Cys
250 -5 -1 1 5
253 Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr

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254 10          15          20          25
257 Phe Tyr Thr Ser Asn Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr
258          30          35          40
261 Arg Lys Asn Arg Gln Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg
262          45          50          55
265 Glu Tyr Ile Asn Ser Leu Glu Met Ser
266          60          65
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270 <211> LENGTH: 70
271 <212> TYPE: PRT
272 <213> ORGANISM: Escherichia coli
274 <400> SEQUENCE: 8
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277 1          5          10          15
280 Ser Ala Gln Ile Pro Gln Asn Phe Ile Ala Asp Tyr Phe Glu Thr Ser
281          20          25          30
284 Ser Gln Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Ala Ser Ala
285          35          40          45
288 Gln Val Cys Ala Asp Pro Ser Glu Glu Trp Val Gln Lys Tyr Val Ser
289          50          55          60
292 Asp Leu Glu Leu Ser Ala
293 65          70
296 <210> SEQ ID NO: 9
297 <211> LENGTH: 69
298 <212> TYPE: PRT
299 <213> ORGANISM: Escherichia coli
301 <400> SEQUENCE: 9
303 Ala Pro Met Gly Ser Asp Pro Pro Thr Ala Cys Cys Phe Ser Tyr Thr
304 1          5          10          15
307 Ala Arg Lys Leu Pro Arg Asn Phe Val Val Asp Tyr Tyr Glu Thr Ser
308          20          25          30
311 Ser Leu Cys Ser Gln Pro Ala Val Val Phe Gln Thr Ala Ala Ser Ala
312          35          40          45
315 Gln Val Cys Ala Asp Pro Ser Glu Ser Trp Val Gln Glu Tyr Val Tyr
316          50          55          60
319 Asp Leu Glu Leu Asn
320 65
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327 <213> ORGANISM: Escherichia coli
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330 <221> NAME/KEY: SIGNAL
331 <222> LOCATION: (1)..(23)
332 <223> OTHER INFORMATION: carboxy terminal amino acid
334 <400> SEQUENCE: 10
336 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala
337 1          5          10          15
340 Leu Cys Ala Pro Ala Ser Ala Ser Pro Tyr Ser Ser Asp Thr Thr Pro

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341          20          25          30
344 Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys
345          35          40          45
348 Glu Tyr Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val Phe
349          50          55          60
352 Val Thr Arg Lys Asn Arg Gln Val Cys Ala Asn Pro Glu Lys Lys Trp
353 65          70          75          80
356 Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser
357          85          90
361 <210> SEQ ID NO: 11
362 <211> LENGTH: 92
363 <212> TYPE: PRT
364 <213> ORGANISM: Escherichia coli
366 <220> FEATURE:
367 <221> NAME/KEY: mat_peptide
368 <222> LOCATION: (1)..(69)
369 <223> OTHER INFORMATION: carboxy terminal amino acid
371 <400> SEQUENCE: 11
373 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala
374          -20          -15          -10
377 Leu Cys Ala Pro Ala Ser Ala Met Ser Pro Tyr Ser Ser Asp Thr Thr
378          -5          -1 1          5
381 Pro Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile
382 10          15          20          25
385 Lys Glu Tyr Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val
386          30          35          40
389 Phe Val Thr Arg Lys Asn Lys Gln Val Cys Ala Asn Pro Glu Lys Lys
390          45          50          55
393 Trp Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser
394          60          65
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399 <212> TYPE: PRT
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402 <220> FEATURE:
403 <221> NAME/KEY: mat_peptide
404 <222> LOCATION: (1)..(66)
405 <223> OTHER INFORMATION: carboxy terminal amino acid
407 <400> SEQUENCE: 12
409 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala
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413 Leu Cys Ala Pro Ala Ser Ala Tyr Ser Ser Asp Thr Thr Pro Cys Cys
414          -5          -1 1          5
417 Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr
418 10          15          20          25
421 Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr
422          30          35          40
425 Arg Lys Asn Arg Gln Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg
426          45          50          55

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RAW SEQUENCE LISTING ERROR SUMMARY

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Input Set : E:\ARS-103-replace-seq-list.txt

Output Set: N:\CRF4\05052005\J510014.raw

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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 174

**VERIFICATION SUMMARY**

DATE: 05/05/2005

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Input Set : E:\ARS-103-replace-seq-list.txt

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